[Sequence Listing]

<110>	IMAGENE CO., LTD.	
<120>	Immunological enhancement agent comprising N-terminal per p43 as an effective component	ptide c
<130>	NPF1918	
<160>	11	•
<170>	KopatentIn 1.71	
<210> <211> <212> <213>	1 147 PRT mammalian	
<400> Met Ala A 1	1 Asn Asn Asp Ala Val Leu Lys Arg Leu Glu Gln Lys Gly Ala 5 10 1:	5
Glu Ala A	usp Gln Ile Ile Glu Tyr Leu Lys Gln Gln Val Ser Leu Leu 20 25 30	
Lys Glu L	ys Ala Ile Leu Gin Ala Thr Leu Arg Glu Glu Lys Lys Leu 35 40 45	
Arg Val G 50	Glu Asn Ala Lys Leu Lys Lys Glu Ile Glu Glu Leu Lys Gln 55 60	
Glu Leu II 65	le Gln Ala Glu Ile Gln Asn Gly Val Lys Gln Ile Ala Phe 70 75	80
Pro Ser Gl	ly Thr Pro Leu His Ala Asn Ser Met Val Ser Glu Asn Val 85 90 95	5
lle Gln Ser	r Thr Ala Val Thr Thr Val Ser Ser Gly Thr Lys Glu Gln 100 105 110	
	y Gly Thr Gly Asp Glu Lys Lys Ala Lys Glu Lys Ile Glu 115 120 125	
Lys Lys G	ily Glu Lys Lys Glu Lys Lys Gln Gln Ser Ile Ala Gly Ser 135 140	
Ala Asp Se 145	er ·	•
<210> <211> <212> <213>	2 108 PRT mammalian	
<400>	2	

	Met Ala Asn Asn Asp A		u Glu Gln Lys Gly Al 10	15		
·	Glu Ala Asp Gln Ile Ile 20	Glu Tyr Leu Lys Gln C	Gln Val Ser Leu Leu 30)		
	Lys Glu Lys Ala Ile Let 35	ı Gln Ala Thr Leu Arg 40	Glu Glu Lys Lys Leu 45			
	Arg Val Glu Asn Ala L 50	ys Leu Lys Lys Glu Ile 55	Glu Glu Leu Lys Gln 60			
	Glu Leu Ile Gln Ala Glo 65	ı Ile Gln Asn Gly Val L 70	ys Gln Ile Ala Phe 75	80		
	Pro Ser Gly Thr Pro Le		Val Ser Glu Asn Val 90	95	•	
	Ile Gln Ser Thr Ala Val	Thr Thr Val Ser Ser Gl	у .			
	<210> 3 <211> 166 <212> PRT <213> mammalian	~	٠.		•	
	<400> 3 Met Val Ser Glu Asn V 1 5		/al Thr Thr Val Ser .0	15	·	
	Ser Gly Thr Lys Glu Gl 20	n Ile Lys Gly Gly Thr C 25	Gly Asp Glu Lys Lys 30		_	
	Ala Lys Glu Lys Ile Glu 35	ı Lys Lys Gly Glu Lys l 40	Lys Glu Lys Lys Gln 45			
	Gln Ser Ile Ala Gly Ser	Ala Asp Ser Lys Pro Ile 55	e Asp Val Ser Arg 60			
	Leu Asp Leu Arg Ile Gl 65	y Cys Ile Ile Thr Ala Ai 70	rg Lys His Pro Asp 75	80		
	Ala Asp Ser Leu Tyr Va 85		Gly Glu Ile Ala Pro 0	95		
	Arg Thr Val Val Ser Gl	y Leu Val Asn His Val 105	: Pro Leu Glu Gln Met 110			
×	Gln Asn Arg Met Val II	e Leu Leu Cys Asn Leu 120	Lys Pro Ala Lys Met 125	i		
	Arg Gly Val Leu Ser Gl	n Ala Met Val Met Cys 135	Ala Ser Ser Pro Glu 140			
	Lys Ile Glu Ile Leu Ala 145	Pro Pro Asn Gly Ser Va 150	al Pro Gly Asp Arg 155	160		

<212>	DNA	·	
<213>	Artificial Sequence		
	•		
<220>			
<223>	PCR primer		
	F		
-			
<400>	8		
catatggcaa		•	18
outur 66 car	. u.ugu.		
<210>	9	•	
<211>	18	•	
<212>	DNA		
<213>	Artificial Sequence		
\213 /	Attiticial ocquence		
<220>			
<223>	PCR primer		
\ZZ3 /	T CR primer	•	
<400>	9		
ctcgággga			18
cicgaggga	a gcattita		10
<210>	10	•	
<211>	27		
<212>	DNA		
<213>	Artificial Sequence		
\Z13>	Antificial Sequence	•	
<220>			
<223>	PCR primer		
	i Cit pinner		
<400>	10	•	
	ctaagccaat agatgtt		27
ceggaarier	ottaageodatt agatgit	·	
<210>	11		·
<211>	27		
<212>	DNA		
<213>	Artificial Sequence		•
-213/	. I. IIIIoidi Doquonoo	•	
<220>			
<223>	PCR primer		
	- 01. P		
<400>	11	;	
	t tatttgattc cactgtt		27

Ile Thr Phe Asp Ala Phe 165

<210>	4
<211>	27
<212>	DNA
<213>	Artificial Sequence
222	
<220>	
<223>	PCR primer
400	
<400>	
ccggaattca	tggcaaataa tgatgct
210	_
<210>	5
<211>	24
<212>	DNA Artificial Sequence
<213>	Artificial Sequence
<220>	
<223>	PCR primer
••	
	_
<400>	
ctggtcgacg	g teggeaette eage
	_
<210>	6
<211>	32
<211>	_
<211>	32
<211> <212>	32 DNA
<211> <212> <213>	32 DNA Artificial Sequence
<211> <212> <213>	32 DNA
<211> <212> <213>	32 DNA Artificial Sequence
<211> <212> <213> <220> <223>	DNA Artificial Sequence PCR primer
<211> <212> <213> <220> <223>	DNA Artificial Sequence PCR primer
<211> <212> <213> <220> <223>	DNA Artificial Sequence PCR primer
<211> <212> <213> <220> <223>	DNA Artificial Sequence PCR primer
<211> <212> <213> <220> <223> <400> cggaattcat	DNA Artificial Sequence PCR primer
<211> <212> <213> <220> <223> <400> cggaattcat	DNA Artificial Sequence PCR primer
<211> <212> <213> <220> <223> <400> cggaattcat	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag
<211> <212> <213> <220> <223> <400> cggaattcat	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag
<211> <212> <213> <220> <223> <400> cggaattcat <210> <211>	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag 7 30
<211> <212> <213> <220> <223> <400> cggaattcat <210> <211> <212>	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag 7 30 DNA
<211> <212> <213> <220> <223> <400> cggaattcat <210> <211> <212>	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag 7 30 DNA
<211> <212> <213> <220> <223> <400> cggaattcat <210> <211> <212> <213>	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag 7 30 DNA
<211> <212> <213> <220> <223> <400> cggaattcat <210> <211> <212> <213> <220>	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag 7 30 DNA Artificial Sequence
<211> <212> <213> <220> <223> <400> cggaattcat <210> <211> <212> <213> <220>	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag 7 30 DNA Artificial Sequence
<211> <212> <213> <220> <223> <400> cggaattcat <210> <211> <212> <213> <220>	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag 7 30 DNA Artificial Sequence
<211> <212> <213> <220> <223> <400> cggaattcat <210> <211> <212> <213> <220> <223> <400>	DNA Artificial Sequence PCR primer 6 ggtttctgaa aatgtgatac ag 7 30 DNA Artificial Sequence PCR primer

<210> <211>